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Product Name :

Deflagrating Spoon

Product Code :

SLE/CH/50



Description :

Deflagrating Spoon (Product Code: SLE/CH/50) is a long-handled combustion spoon for burning small quantities of a substance inside a jar of gas. It has a brass cup of about 20 mm diameter on a chrome-plated iron wire of about 350 mm, and comes complete with a 75 mm sliding disc and a cork that hold the wire at any length. Chemistry teachers use it for classic demonstrations of combustion in oxygen, and students use it in supervised practicals on the properties of gases. Itis made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Cup	Brass, about 20 mm diameter
Handle	Iron wire, about 350 mm long
Finish	Chrome plated
Sliding disc	75 mm diameter
Supplied with	Sliding disc and cork for holding the wire at any length

Typical Use

A typical lesson starts by collecting jars of oxygen over water. A small piece of sulphur orcharcoal is placed in the brass cup, warmed in a Bunsen flame until it starts to burn, and then lowered into the jar so the class can compare how brightly it burns in air and in pure oxygen. The sliding disc rests across the mouth of the jar like a lid, slowing the escape of gas and fumes, while the cork fixes the wire so the cup hangs at the chosen depth. Afterwards a little water or indicator can be shaken in the jar to test whether the product is an acidic or basic oxide.

Use only small amounts, and carry out sulphur burning in a fume cupboard or a well-ventilated room, because the gas produced is irritating. Let the spoon cool before scraping out residue, and clean the cup after each use so deposits do not build up. This spoon forms part of any basic set of gas collection apparatus in India, alongside gas jars, a trough and a beehive shelf.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, which makes chemistry, physics and biology teaching apparatus in Ambala, Haryana, for schools and colleges in India and international markets. Learn more on the company profile.

Related Chemistry Lab Equipment

Everything needed to prepare the gas and run the combustion test:

- Gas Jar, Glass — the jar that holds the collected gas while the spoon is lowered in.
- Gas Jar Cover — ground-glass cover to seal filled jars until the demonstration.
- Beehive Shelf, Porcelain — supports the gas jar in the trough while oxygen is collected.

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